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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/796,403	03/08/2004	Michelle Allen	50108-181	9023
20277	7590	07/08/2010	EXAMINER	
MCDERMOTT WILL & EMERY LLP			TAKELE, MESEKER	
600 13TH STREET, N.W.				
WASHINGTON, DC 20005-3096			ART UNIT	PAPER NUMBER
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/796,403	ALLEN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	MESEKER TAKELE	2175	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 21 April 2010.
- 2a) This action is **FINAL**.                  2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 74,75 and 77-87 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 74,75 and 77-87 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                         | Paper No(s)/Mail Date. _____ .                                    |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ . | 5) <input type="checkbox"/> Notice of Informal Patent Application |
|  | 6) <input type="checkbox"/> Other: _____ .                        |

**DETAILED ACTION**

1. This communication is responsive to the Amendment filed 04/21/2010.
2. Claims 74-75, 77-87 are pending in this application. Claim 74 is independent claims. Claims 1- 73 and 76 are canceled and Claim 74 is amended.
3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action. This action made Final.

***Claim Rejections - 35 USC § 103***

4. **Claims 74-75, 77-87 are rejected under 35 U.S.C. 103(a) as being unpatentable over Venturino (US Pub No.: 2004/0051741) in view of Gardner (US Pub No.: 2005/0076312) and in further in view of Anderson et al. (“Anderson” US Patent No.: 4,291,198, applicant IDS).**

**As to claim 74,** Venturino discloses a cellularly communicative device comprising a display (*such as, cell phones, personal digital assistants, portable computers and the like, paragraph [0012]*),

a keypad including a plurality of alpha or numeric keys and a dynamically assignable function key (*such as, digital buttons 84-102, menu buttons, 84. navigate button 86, hotkey button 88, Figure 2, paragraph [0012], Such as, alphanumeric characters, paragraph [0029]*);

(b) a key assignment area displaying a function of the cellular communicative device associated with the selected choice, dynamically assigned to the function key of the cellular communicative device (such as, setting hotkey functions, paragraph [0206-0209]).

However Venturino does not explicitly discloses wherein the dynamically assignable function key is not one of the alpha or numeric keys of the keypad; and

A processor programmed to implement:

(1) a first process thread, involving displaying a first screen on the display, the first screen concurrently comprising:  
(b) on a second area of the displayed first screen, a second level menu of choices for user selection from within a selected one of the functional groupings of the first level menu

(2) a second process thread, responsive to a cursor control input from a user, involving moving a cursor on the display across at least the second level menu to indicate a selection of one of the choices on the displayed second level menu and

(3) a third process thread, responsive to a user acceptance of the selected one of the choices, involving displaying a second screen on the display, the second screen concurrently comprising:

(a) an area containing information relating to the selected choice; and  
(b) a key assignment area displaying a function of the cellularly communicative device associated with the selected choice, dynamically assigned to the function key of the cellularly communicative device,

wherein the processor is programmed to cause the cellularly communicative device to perform the dynamically assigned function associated with the selected choice, upon user activation of the function key during the display of the second screen.

Gardner from the similar field of endeavor discloses wherein the dynamically assignable function key is not one of the alpha or numeric keys of the keypad (such as, dynamically generated menu 30, that lets users easily expand or collapse a multilevel hierarchical structure 40 to a specific level of expansion, paragraph [0017]); and

A processor programmed to implement:

- (1) a first process thread, involving displaying a first screen on the display (Figure 1, abstract), the first screen concurrently comprising:
  - (b) on a second area of the displayed first screen, a second level menu of choices for user selection from within a selected one of the functional groupings of the first level menu (*such as, Figure 1 (element 20)*);
- (2) a second process thread, responsive to a cursor control input from a user, involving moving a cursor on the display across at least the second level menu to indicate a selection of one of the choices on the displayed second level menu (*such as, Figure 1 (element 30)*); and
- (3) a third process thread, responsive to a user acceptance of the selected one of the choices, involving displaying a second screen on the display, the second screen concurrently comprising (*paragraph [0018]*):

- (a) an area containing information relating to the selected choice (*such as, Figure 1 (element 30)*); and

wherein the processor is programmed to cause the cellularly communicative device to perform the dynamically assigned function associated with the selected choice, upon user activation of the function key during the display of the second screen (*such as, Icon 10 in figure 1, while the "+" symbol is displayed causes the descendant nodes 20a directly under the selected*

*node 20' to display and the multilevel expand/collapse navigation aid also provides an unobtrusive mechanism, in the form of a dynamically generated menu 30, that lets users easily expand or collapse a multilevel hierarchical structure 40 to a specific level of expansion, paragraph [0017]).*

It would have been obvious to one of ordinary skill in the art to modify Venturino's teaching with the teaching of Gardner to provide a navigation aid that allows a specific branch of a multilevel hierarchical structure to be expanded (or collapsed) multiple display levels with a single action.

However Venturino in view of Gardner do not explicitly discloses

(a) a first level menu providing a plurality of functional groupings for user selection on a first area of the displayed first screen wherein: each of the functional groupings represents a different group of cellular device functions offered by the cellular communicative electronic device, and the cellular device functional groupings include call messaging, contacts list, obtaining device services, recent calls, and settings and tools

(b) a key assignment area displaying a function of the cellular communicative device associated with the selected choice, dynamically assigned to the function key of the cellular communicative device;

Anderson from the similar field of endeavor discloses (a) a first level menu providing a plurality of functional groupings for user selection on a first area of the displayed first screen wherein: each of the functional groupings represents a different group of cellular device functions offered by the cellular communicative electronic device, and the cellular device functional groupings include call messaging, contacts list, obtaining device services, recent calls,

and settings and tools (*such as, name list, Figure 8 (element 140)*), such as, set cursor to next line (*Figure 10*) and col14, lines, 35-60).

It would have been obvious to one of ordinary skill in the art to modify Venturino's and Gardner teaching with the teaching of Anderson to enable users to have program guided access to computer based service.

**As to claim 75**, Venturino discloses wherein: the processor is further programmed to implement a fourth process thread, the fourth thread involving presenting to the user on the display a system background display screen, and the background display screen is selectable by the user.

**As to claim 77**, Venturino discloses wherein the first level menu includes icons visually evocative of the respective functional groupings (paragraph [0078]).

**As to claim 78**, Venturino discloses wherein the displayed second level menu presents choices arranged in a prescribed order (abstract and paragraph [0005]).

**As to claim 79**, Venturino discloses wherein the prescribed order is a function of a previous user selection of the one or more of the choices (abstract, paragraph [0005], [0078] and [0123]).

**As to claim 80,** Venturino discloses wherein the prescribed order is a function of frequency of previous user selections of the one or more of the choices (Paragraph 0199).

**As to claim 81,** Venturino discloses wherein: the first level menu includes a call messaging functional grouping, and the second level menu includes choices selected from the group consisting of: creating a message, voicemail, inbox, outbox, draft messages, e-mail messages and instant messages (such as, first user activated means for sequentially navigating through the displayed menu of user selectable options; and second user activated means for directly choosing a predetermined one of the options without having to navigate sequentially through the options, abstract).

**As to claim 82,** Venturino discloses wherein: the first level menu includes a device services functional grouping, and the second level menu includes a for-pay service choice (such as, first user activated means for sequentially navigating through the displayed menu of user selectable options; and second user activated means for directly choosing a predetermined one of the options without having to navigate sequentially through the options, abstract).

**As to claim 83,** Venturino discloses wherein: the first level menu includes a device services functional grouping, and the second level menu includes choices selected from the group consisting of: receiving music, receiving games, receiving pictures, receiving movies, receiving news, and receiving information (such as, first user activated means for sequentially navigating through the displayed menu of user selectable options; and second user activated

means for directly choosing a predetermined one of the options without having to navigate sequentially through the options, abstract).

**As to claim 84,** Venturino discloses wherein: the first level menu includes a contacts functional grouping, and the second level menu includes choices selected from the group consisting of: new contacts, contacts list, groups, and speed dial (such as, first user activated means for sequentially navigating through the displayed menu of user selectable options; and second user activated means for directly choosing a predetermined one of the options without having to navigate sequentially through the options, abstract).

**As to claim 85,** Venturino discloses wherein: the first level menu includes a recent calls functional grouping, and the second level menu includes choices selected from the group consisting of: all calls, missed calls, received calls, and numbers called dial (such as, first user activated means for sequentially navigating through the displayed menu of user selectable options; and second user activated means for directly choosing a predetermined one of the options without having to navigate sequentially through the options, abstract).

**As to claim 86,** Venturino discloses wherein: the first level menu includes a settings and tools functional grouping, and the second level menu includes choices selected from the group consisting of: device tools, device modes, device settings, call settings, system settings, accessories, time settings, and date settings (such as, first user activated means for sequentially navigating through the displayed menu of user selectable options; and second user activated

means for directly choosing a predetermined one of the options without having to navigate sequentially through the options, abstract).

**As to claim 87**, Gardner discloses wherein the key assignment area of the second screen displays a plurality of functions dynamically assigned to a plurality of the keys of the keypad (such as Figure 1 (element 10)).

***Response to Arguments***

5. Applicant's arguments with respect to the amended claims have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

*Inquiry*

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MESEKER TAKELE whose telephone number is (571)270-1653. The examiner can normally be reached on Monday - Friday 7:30AM- 5:00PM est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Bashore can be reached on (571) 272-4088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Meseker Takele/  
Examiner, Art Unit 2175

/William L. Bashore/  
Supervisory Patent Examiner, Art Unit 2175